

Kohlsville River @ Midland Drive

Station # 10022037

1 of 1

20181029- 67-01

Rachel Sabre

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Department of Natural Resources
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dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

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Instructions: Bold fields must be completed.

Station Summary

Waterbody Name KOHLSVILLE RIVER	Waterbody ID Code 865400	Sample ID (YYYYMMDD-CY-FD) 20181029-67-01
Sampling Location		Database Key 169406808

SWIMS Station ID 10022037	SWIMS Station Name KOHLSVILLE RIVER - UPSTREAM OF MIDLAND DRIVE		
Latitude 43.483364	Longitude -88.36181	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) UPPER ROCK		Watershed Name EAST BRANCH ROCK RIVER	County WASHINGTON

Sample and Site Descriptors

Sample Collector (Last Name, First) RACHEL SABRE	Project Name SER LONG-TERM TREND WADEABLE REFERENCE STREAM
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Sampling Device

☒ D-Frame Kick Net	☐ Surber Sampler	☐ Eckman
☐ Ponar	☐ Artificial Substrate	☐ Hess Sampler ☐ Other: _____

Habitat Sampled

☐ Riffle	☒ Run	☐ Pool
☐ Other	☐ Shoreline Composite	☐ Proportionally-Sampled Habitat
☐ Littoral Zone	☐ Profundal Zone	☐ Wetland

Total Sampling Time (min) 1 min	Estimated Area Sampled (m²) 1 m ²	Number of Samples in Composite 1	Replicate No. 1 of 1
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Reason For Sampling

☐ Least Impacted Reference	☐ Baseline	☐ Impact / Treatment Site
☐ Control Site	☒ Trend	☐ Other: _____

Water Temp. (C) 7.77	D.O. (mg/l) 10.94	D.O. (% sat.) 94.7	pH (su) 7.44	Conductivity (umhos/cm) 840.4	Transparency (cm) 120
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Water Color ☒ Clear ☐ Turbid ☐ Stained	Estimated Stream Velocity (m/s) ☐ Slow (< 0.15 m/s) ☐ Moderate (0.15 m/s - 0.5 m/s) ☒ Fast (> 0.5 m/s)
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Measured Velocity _____ circle units _____ m/s or f/s	Average Stream Depth of reach (m) 0.25 m	Average Stream Width of reach (m)
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 10	Gravel (ladybug to tennisball): 20
Sand: 20	Clay: _____	Silt/Muck: 20	Overhanging Vegetation: 20
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: 10	Other (____): _____

Embeddedness of Substrate at Sample Site (%) 20%	Canopy Cover at Sample Site (%) 25%
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Stream and Watershed Descriptors

N = Not a problem
U = Uncertain

PL = Present, Low Impact
PH = Present, High Impact

Factors that may be influencing Water Resource Integrity		Local	Water- shed	Factors that may be influencing Water Resource Integrity		Local	Water- shed
Biological			Chemical				
Algae: - Diatoms / Periphyton				Chlorine			
- Filamentous Algae				Dissolved Oxygen			
- Planktonic Algae				Nutrients (P, N...)			
Iron Bacteria				Toxics: - Inorganic (Metals)			
Macrophytes				- Organic (PCBs, pesticides...)			
Slimes				Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion			
				Point Source - Specify:			
				Pasturing of Livestock			
Physical				Runoff: - Barnyard			
Bank Erosion				- Construction			
Channelization: - Upstream				- Cropland			
- Downstream				- Urban			
Hydraulic Scour / Channel Incision				Septic Systems			
Impoundment: - Upstream				Tile Drainage - Organic Soils			
- Downstream				- Mineral Soils			
Low Flow				Springs			
Sedimentation				Tributary(s)			
Sludge				Wetland			
Thermal				Other - Specify:			
Turbidity							
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Kirsten Czarniecki	Taxonomist Dimitry Jeffrey	Estimated Percent of Sample Sorted 60%
Date Processed 10/30/2019	Specimens Saved Subsample archived in ABC until Jan 2023	

32 { A3:12 D3:15 > 27132 → 59 } 92 E1:19
A2:12 E2:12 B1:26 } 137 } 9
(C3:8 B3:9 > 33 }
A1:24

Wisconsin Department of Natural Resources

ABL SampleNum: 20181029-67-01

Taxonomist: Dimick, Jeffrey

Waterbody: Kohlsville River

SWIMS Database Key: 169406808

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetidae	L	1	1	Klub 2016	imm	N
Baetis brunneicolar	L	-	5	"		
Labidbaetis frendalis	L	1	1	"		
Taeniopteryx	L	1	1	Hils 1995	imm	
Helicopsyche borealis	L	1	1	"		
Ceratopsyche	L	1	1	"	imm	N
C. brevia	L	1	1	Schm/Hils 1986		
Cheumatopsyche	L	8-11	37	Hils 1995		
Hydropsyche	L	III	3	"	imm	N
H. betterii	L	XI	11	Schm/Hils 1986		
Chimarra alternata	L	1	1	Hils 1982		
Hydropsychidae	L	II	2	Hils 1995	imm	N
Heptageniidae	L	1	1	Klub 2016		
Neoptera stripla	A	1	1	Hils 1984a		
Macronychus glabratus	L	1	1	Hils Schm 1992		
Optocervus fastidius	L	1	1	"		
Nemerochroma	L	II	2	Coat Men 2008		
Ephydriidae	P	II	2	Meerweh 2008		
Simulium vittatum species complex 08110217	L	II	2	Adl et al 2004		
Simulium	P	1	1	"		Y
Parakrefferiella	P	1	1	For et al 2008		
Gammarus pseudolimnaeus	A	XII	12	Wols 1972		
Caecidotea intermedia	A	-III	9	Will 1972		
Hyrobates	A	1	1	Aluchan 1984		
Speocheopsis	A	1	1	"		
Cyclopidae	A	III	3	Thorp Reg 2016		
Naididae	A	XIII	13	Brin Cel 1981		
Tubificinae (without hairs)	A	1	1	Klemm 1985		
Fossaria	A	1	1	Burek 1989		
Physa	A	0-III	24	Thorp Reg 2016		
Split A3 Chironomidae	L	III	3			
Thienemannimyia group	L	II	2	Cran Epl 2013	imm	
Parakrefferiella	L	1	1	And + 3 2013		N
Paramebriocnemus	L	1	1	"		
Thienemannella xena	L	III	3	Bolton 2012		
Tritentia bavaria group	L	-1	6	Bode 1983		
Cladotanytarsus	L	III	3	Epler et al 2013		

< 3 taxa, TUAL ≤ 2.0

Taxonomist: Dimick, Jeffrey

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Tanytarsus